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Aegis Identity Software, Inc. presents

Trends in Identity and Access Management in Higher Education to US Federations

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Agenda

- Introduction
- Survey review
- IAM Basics
- Survey results
- Analysis / inferences
  - Identity & Access Management
  - Federation

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Survey overview

- Conducted Jan 1, 2012 and Mar 15, 2012
- 8,432 phone calls were placed to institutions of higher education
- 165 live calls and 96 fully completed surveys.
- The data and analysis focused on
  - Use of IAM technologies
  - Drivers of the utilization
  - Challenges on campus or in pursuing the technology
- Focused on foundational IAM (provisioning/pw management)
- Direct inferences can be made in federation

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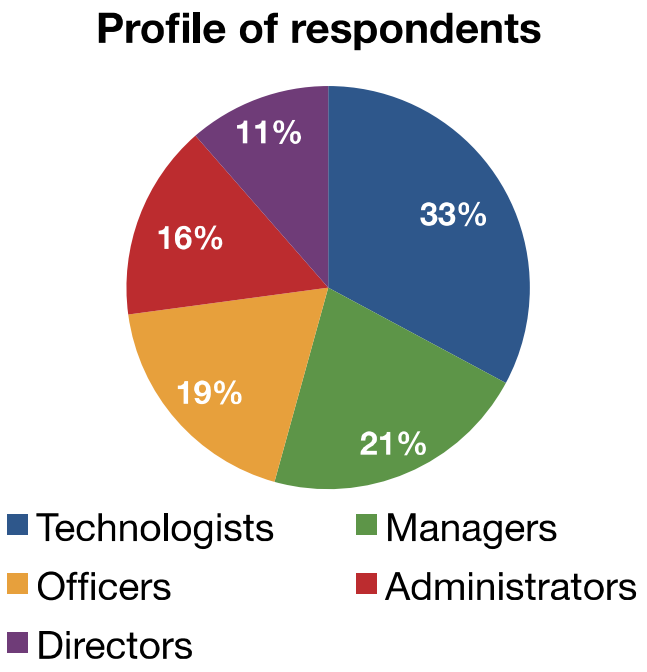
IAM Survey Framework

- IAM Technology Utilization / Plans
- Business Drivers
- Challenges
- Institutional support, identity solution delivery, and value
- Emerging technologies



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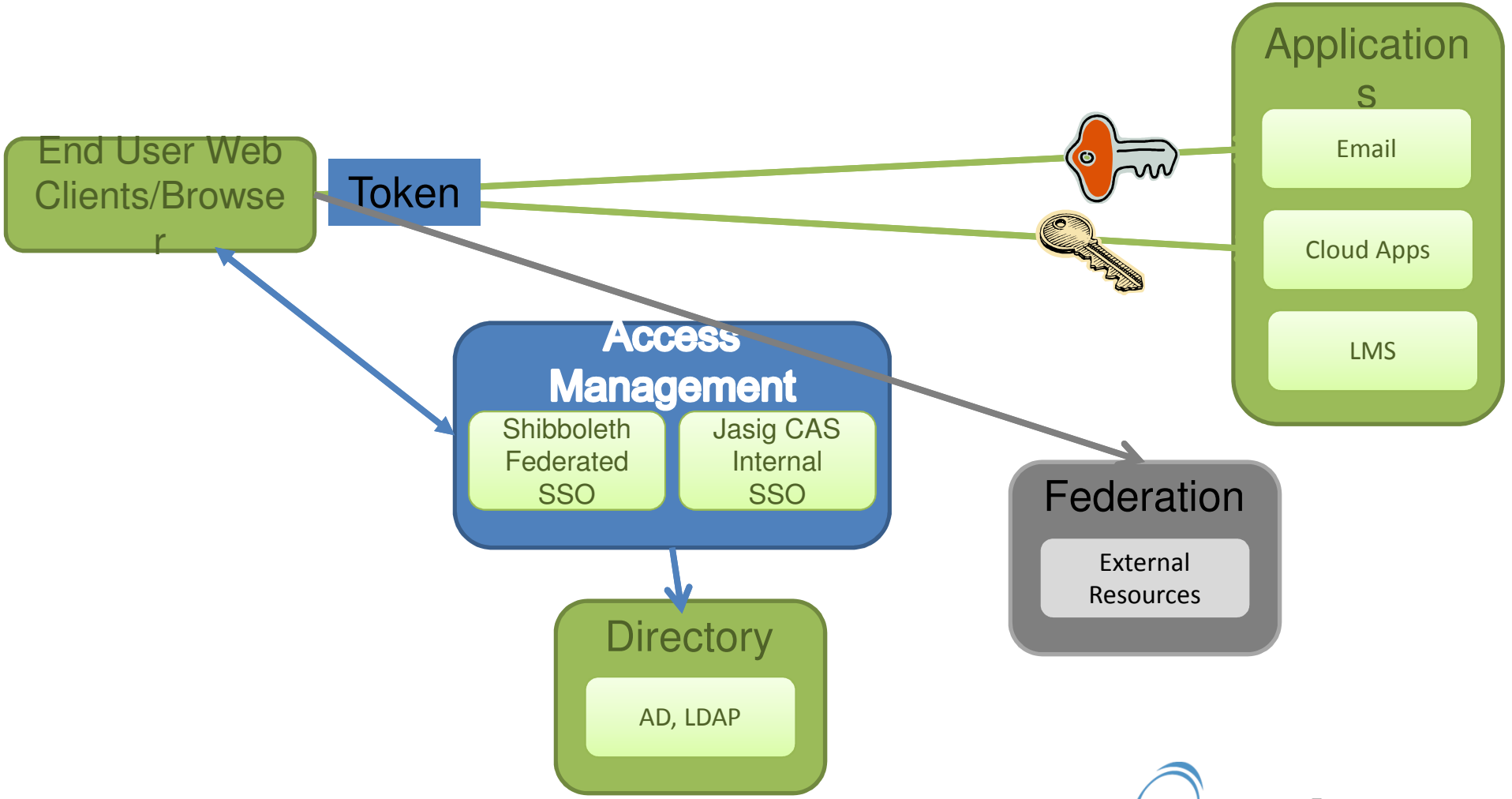
Single Sign On



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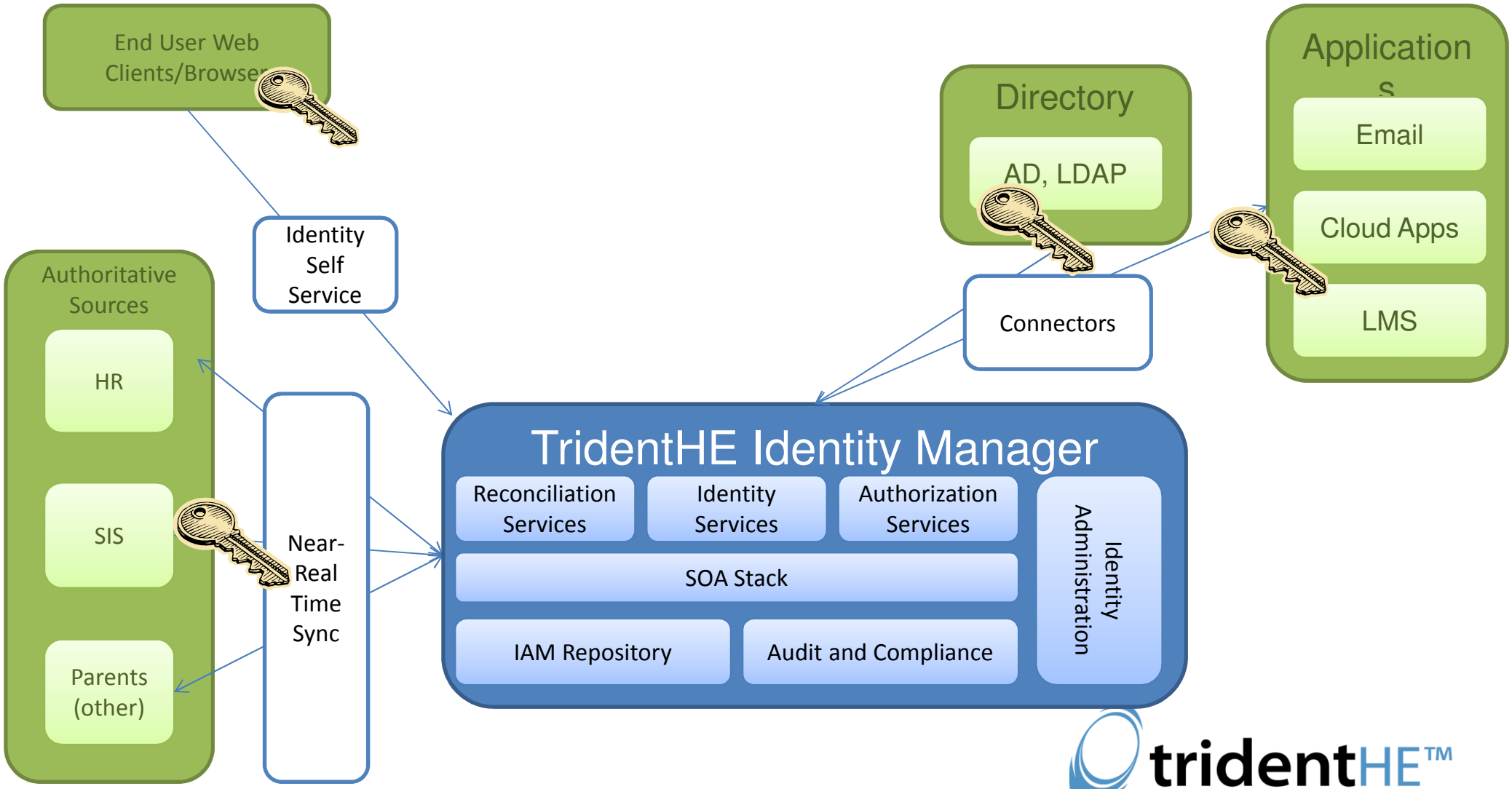
Identity Administration



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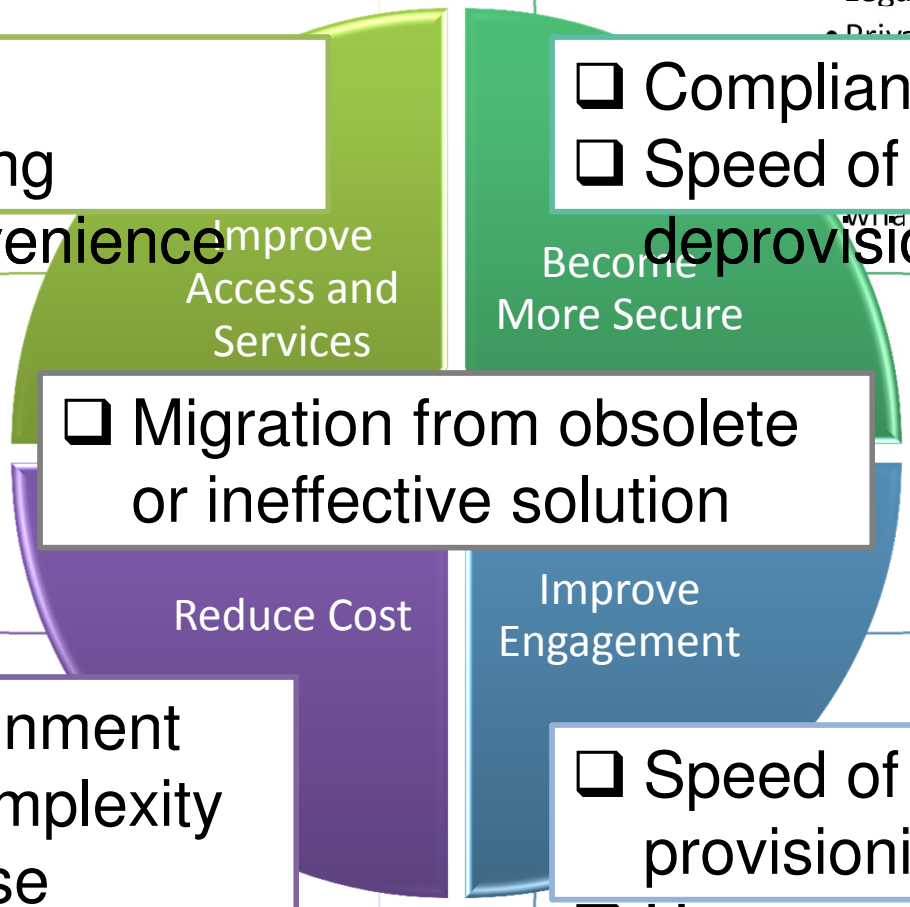
Identity Management Drivers



- ❑ Speed of provisioning
- ❑ User convenience

- ❑ Compliance
- ❑ Speed of deprovisioning

- ❑ Migration from obsolete or ineffective solution

- ❑ Cost containment
- ❑ Reduce complexity and increase manageability

- ❑ Speed of provisioning
- ❑ User convenience

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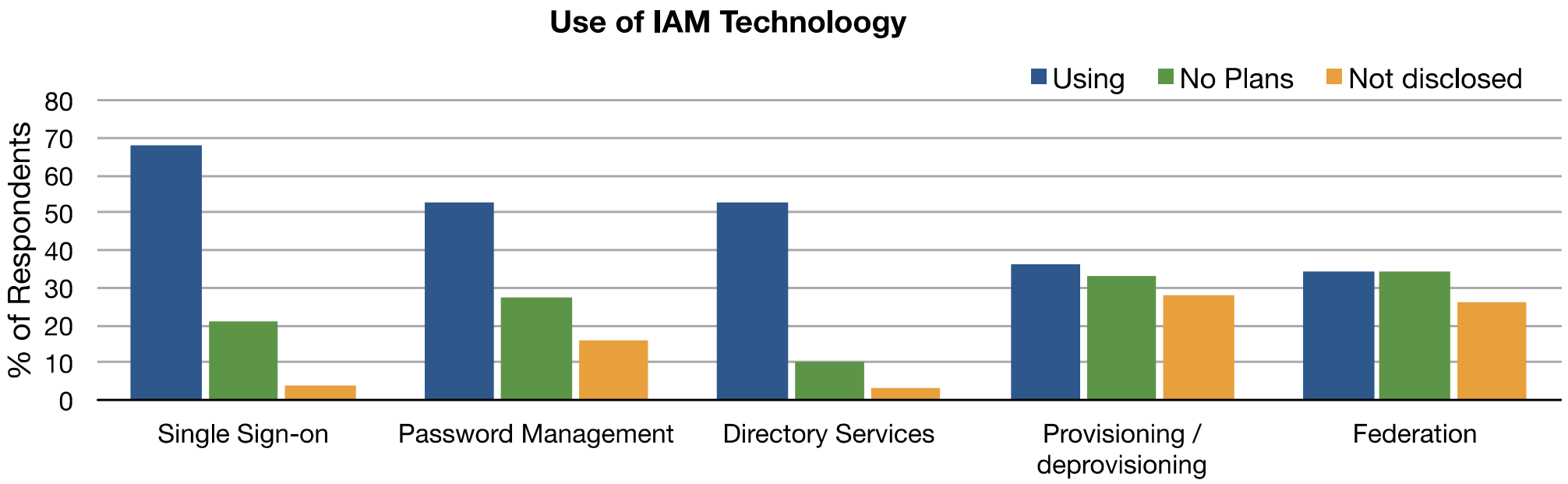
Use of Identity & Access Mgmt



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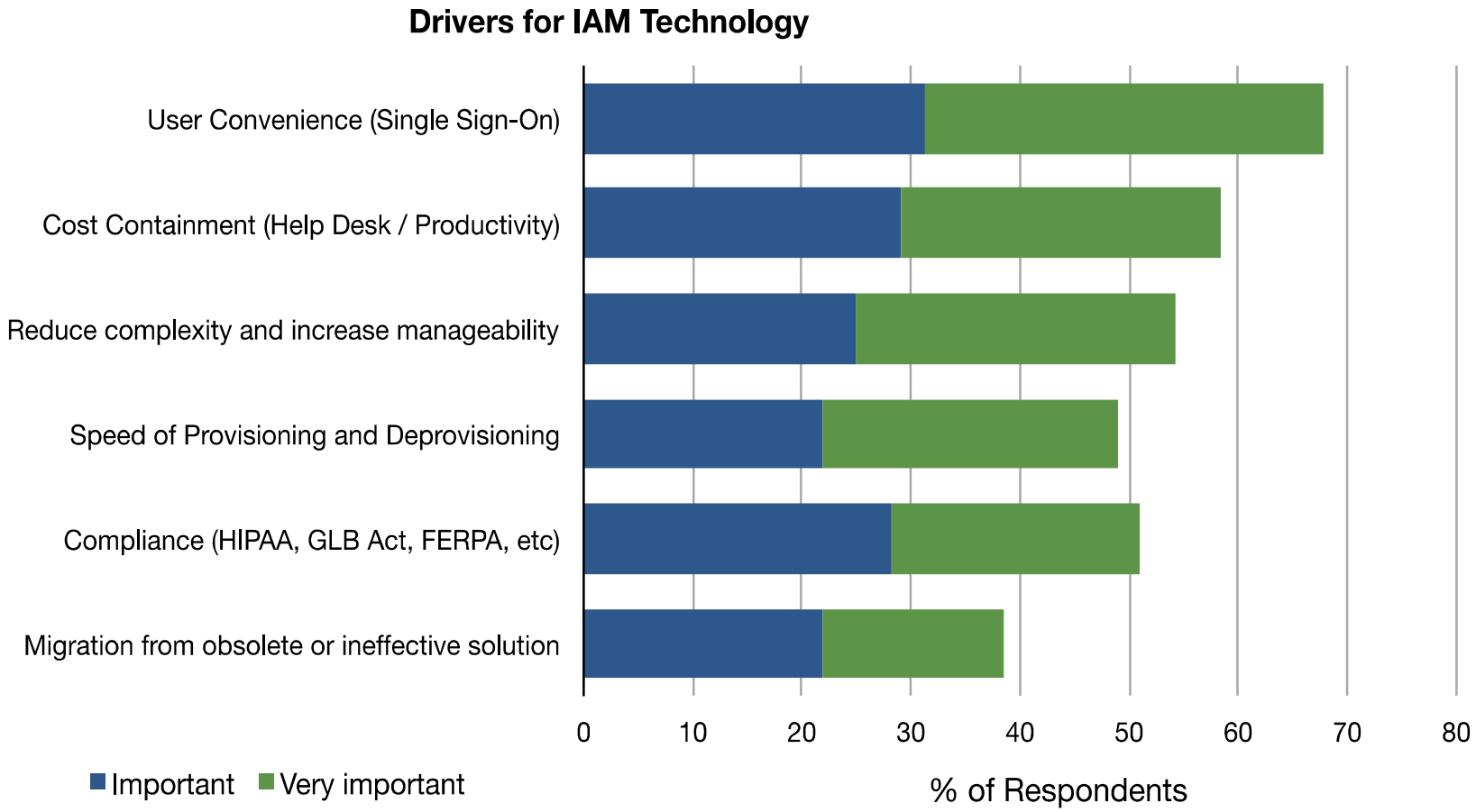
Drivers



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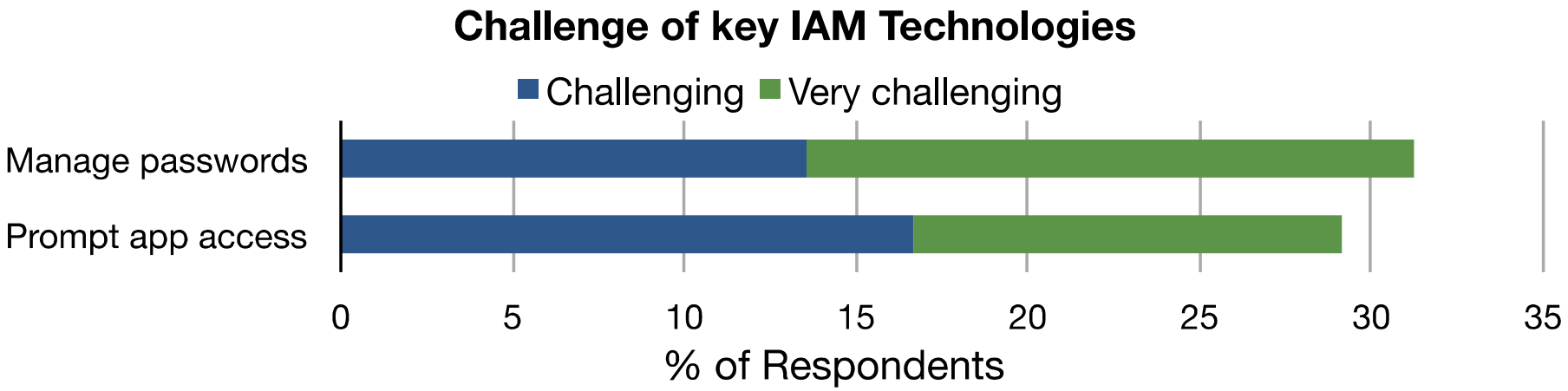
Provisioning



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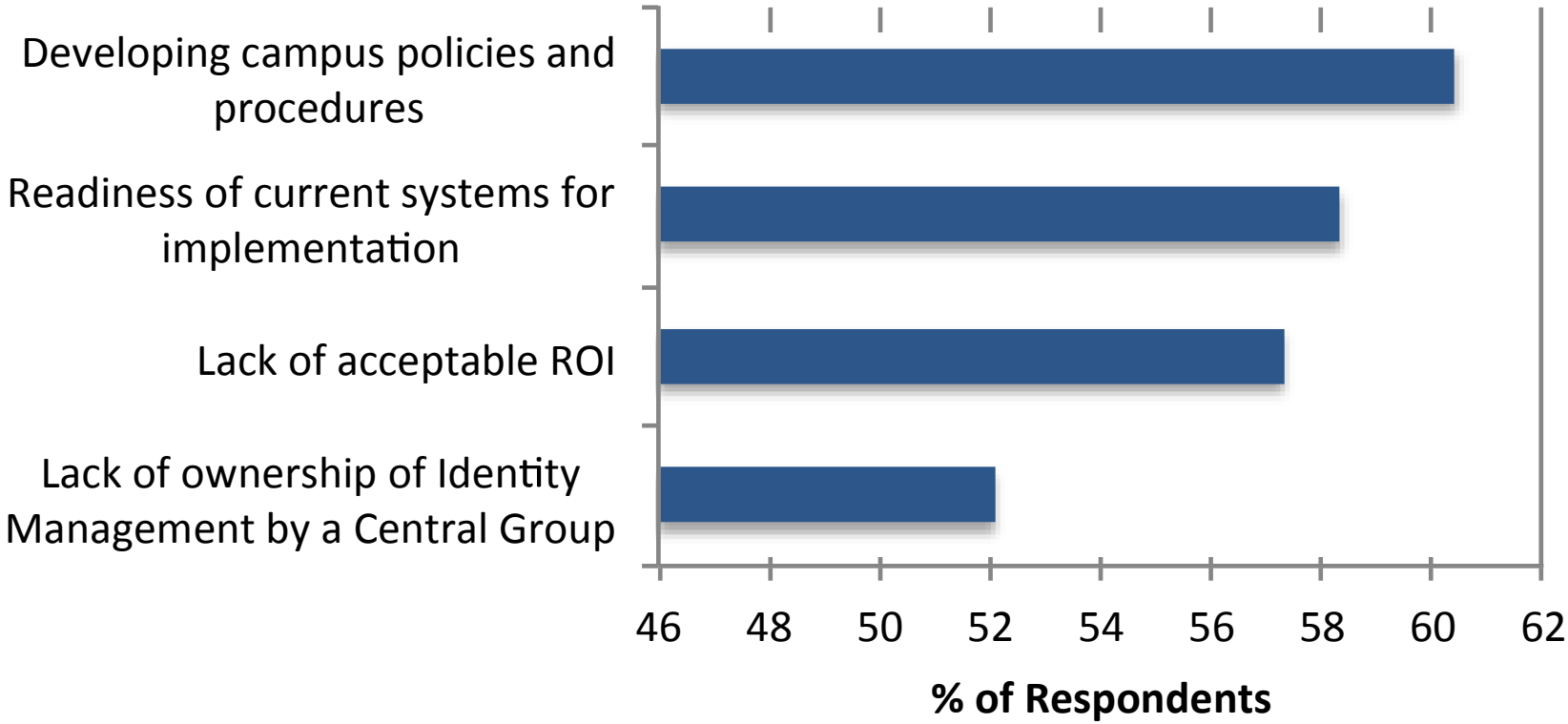
Challenges - Pursuing IAM

Challenges to pursuit of IAM



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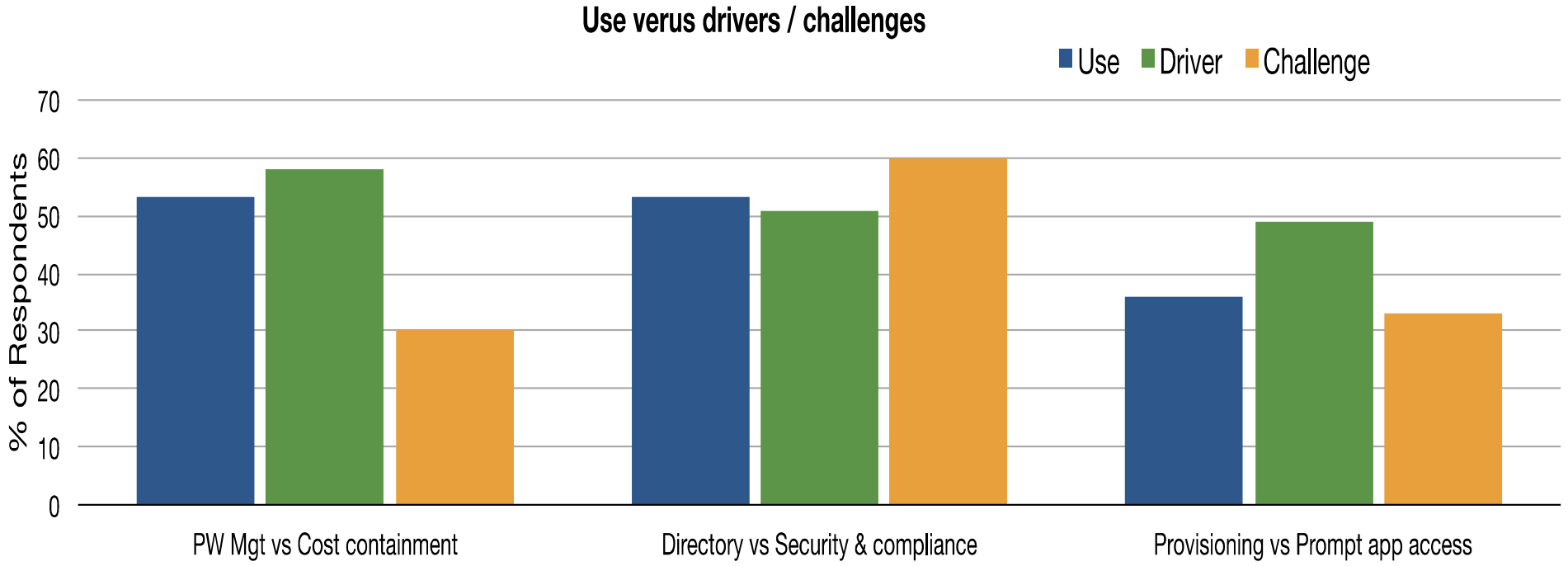
Comparing Use - Drivers - Challenges



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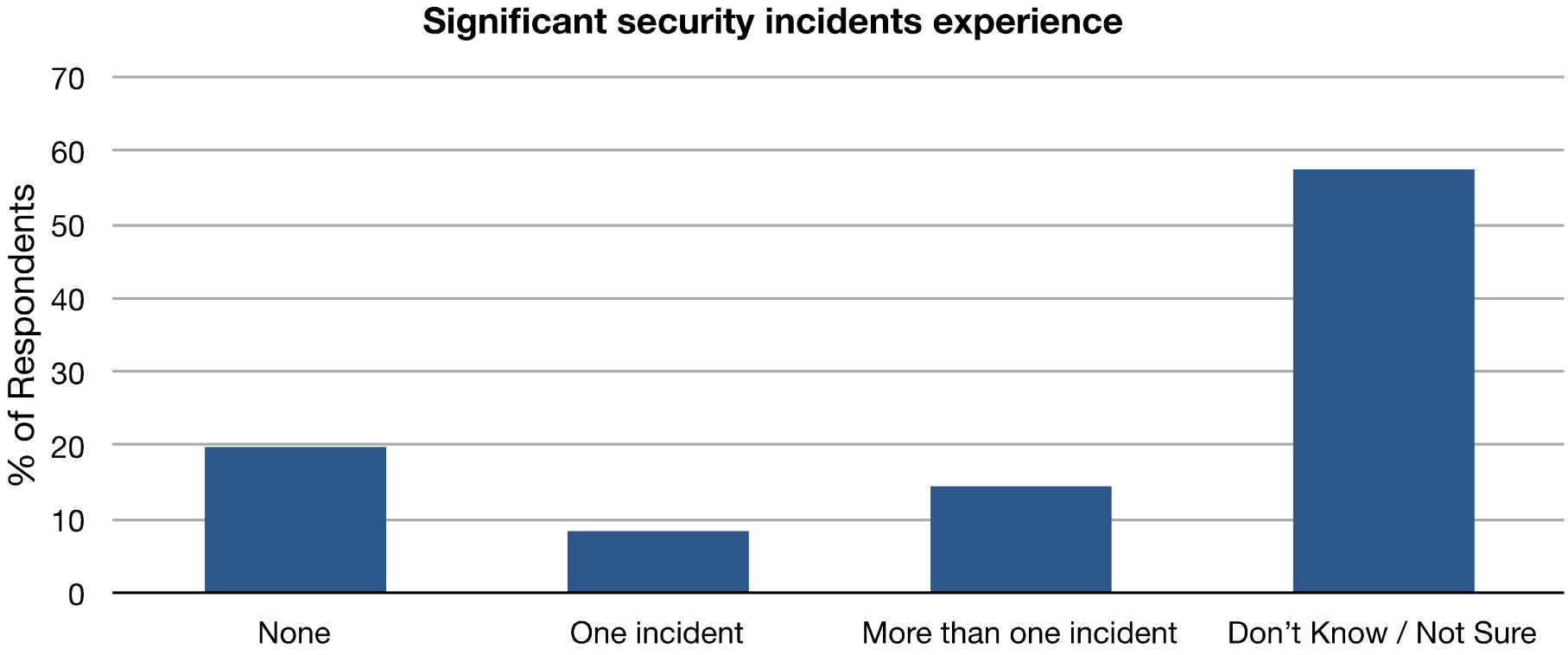
Security



How many significant security incidents related to user identification, authentication or authorization has your institution experienced in the past 2 years?

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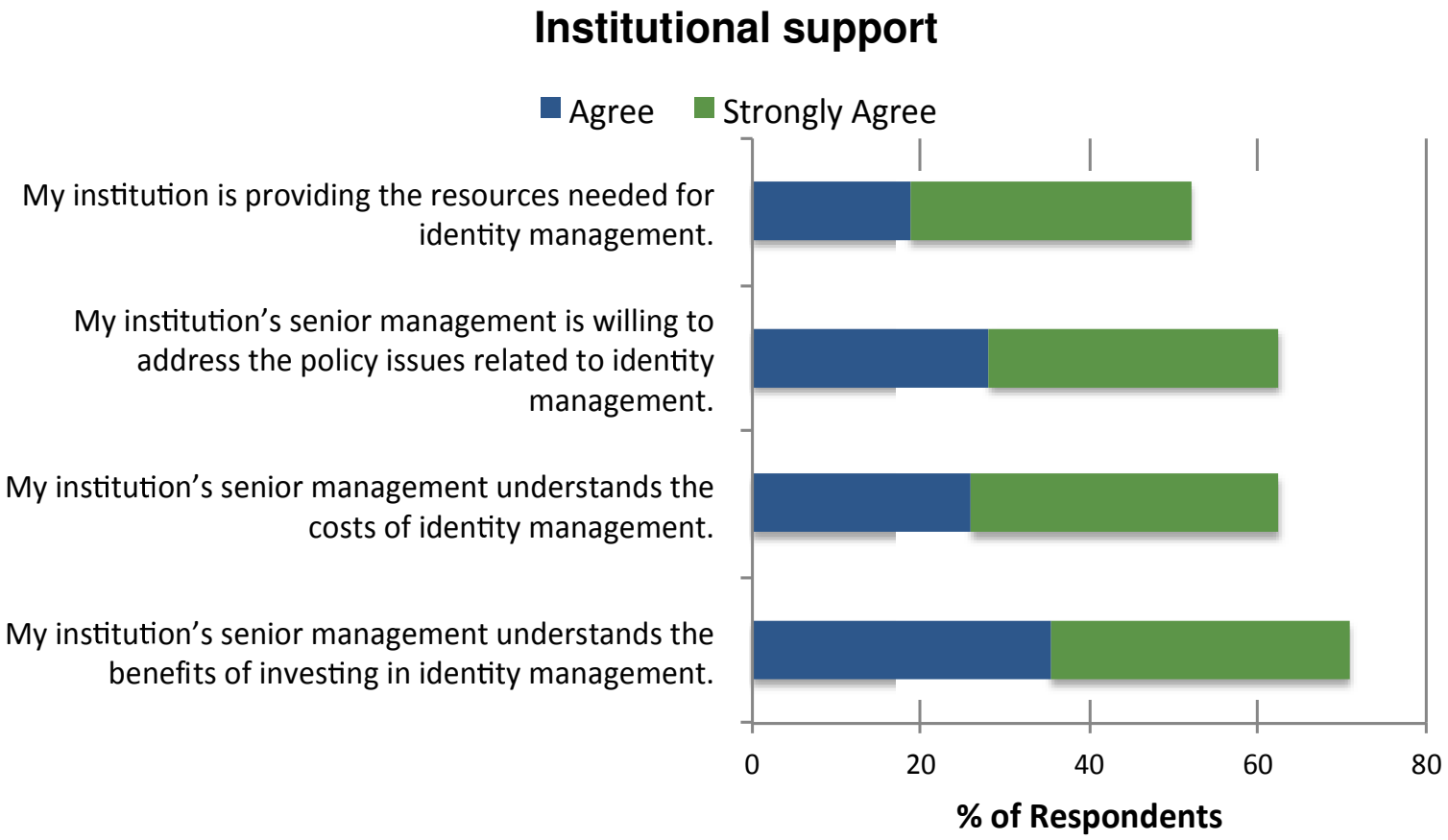
Executive and Institutional Support



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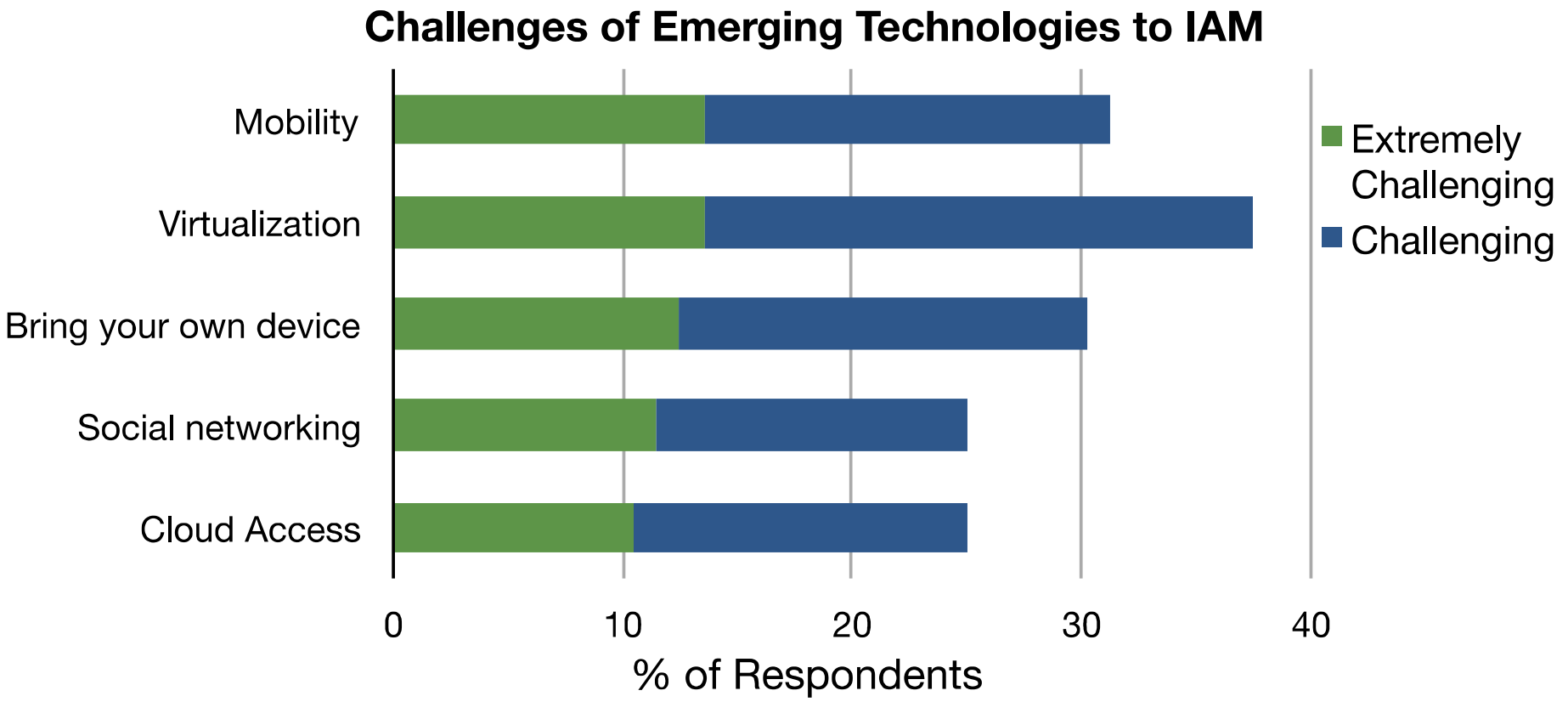
Impact of Emerging Technology



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Findings and Implications

- SSO is utilized and the benefits achieved
- Directory is deployed and ready for IAM
- Password management deployed but the benefits have not been as strong
- Provisioning is underutilized but drivers indicate benefits could be gained
- Federation is emerging – further study is probably warranted (27% did not disclose)
- Institutional support exists
- New campus technologies will impact IAM

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Federation Emergence

- Survey indicates equal numbers of use and no use, as well as no answer
- Clearly a topic but not viewed as strategic
  - 57% in our survey have no plans/no disclosure
- Possibly tied to concerns for management, policy, and user convenience
- Busy with other technical activities

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Causes for divergent growth

- User need vs strategic direction
- Complexity and knowledge of requirements of federation
- Desire to maintain network status quo
- Incorrect implementation of initial technology
- Visibility into what drivers are for federation
- Perceived daunting ramp up
  - tech, policy, Assurance

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Keys to growth

- SSO in heavy use – but identity/attribute management is still developing
- Understanding of risk/reward
- Understanding of expertise in house
  - Will need staff early in process
- More education more often
  - Public awareness
  - Come from their view, not our own

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Challenges and Opportunities

- Parallel activities by community
  - Beginners and Initial Federations
  - Federations of Federations
  - Balance of Acceleration vs Entrenchment
- Protocols
  - Will it be just the next thing? SAML, Oauth, OpenID
- Social nets – same issues as BYOD – but more variations
- App networks – will they be like iPad (fickle users)
- Feds of feds – CAUTION
  - buying networks of the 1st dot com bubble